YAMAHA

AV Receiver

RX-A800

NEW PRODUCT BULLETIN

AVENTAGE

AVENTAGE is a dramatic, inspired step forward in audio/video component design. AVENTAGE brings studio-grade sound and sophisticated video enhancements to the home as a result of unparalleled attention to detail in design, engineering and fabrication. Details that, at first glance, would not seem to affect the quality of sight, sound, and control, when brought together within an AVENTAGE component produce a work of visual and acoustic art.

The RX-A800 A/V Receiver supports 3D and Audio Return channel over 6 in/2out HDMI, CINEMA DSP 3D surround sound, with or without Front Presence Speakers, RS-232C interface for custom installation and HDMI for Zone B.

High Sound Quality

- 7-channel 665W powerful surround sound (95W x 7)
- HD Audio format decoding: Dolby TrueHD and DTS-HD Master Audio; Dolby Digital Plus and DTS-HD High Resolution Audio
- High quality parts allowed sound tuning for optimum performance
- Discrete amp configuration
- Pure Direct for HD Audio and Video enjoyment
- Specially designed 5th foot with Anti-Resonance Technology (A.R.T. Wedge) added to reduce vibration
- Low jitter PLL circuitry
- Assignable amplifiers for bi-amp connection
- Intelligent assignable amplifiers for Surround Back <-> Front Presence or Zone 2 connection

High Picture Quality

- Analog and HDMI video upscaling to full HD 1080p
- 1080p-compatible HDMI: 6 inputs (1 on front) and 2 outputs (simultaneous)
- Supports Deep Color (30/36 bit), x.v.Color, 24Hz Refresh Rate and Auto Lip-Sync compensation
- High quality video processing with precise deinterlacing:
  -Motion adaptive and edge adaptive deinterlacing
  -Multi-cadence (includes 3-2 pull-down) detection

Advanced Features

- SCENE buttons (BD/DVD, TV, CD and Radio) - quick and simple to use
- HDMI (V.1.4a with 3D and Audio Return Channel)
- YPAO sound optimization for automatic speaker setup
- HD Radio™ with iTunes tagging
- SIRIUS Satellite Radio ready
- New GUI on-screen display with album art
- HDMI CEC functionality
- Assignable component video and optical/coaxial (except Video Aux) inputs allow for a wide range of sources
- Audio input assign capability for HDMI and component video input
- Ability to change HDMI input while in Standby Through mode
- iPod/iPhone compatibility with optional YDS-12 Universal Dock
- iPod song titles displayed in English and Western European languages on the front panel and on-screen display
- Wireless connection for iPod/iPhone with optional YID-W10
- Bluetooth (A2DP) compatibility with optional Yamaha Bluetooth® Wireless Audio Receiver YBA-10
- Audio Delay for adjusting Lip-Sync (0-240 ms)
- Dialogue Lift
- Auto power down function with variable time setting
- Preset remote unit

Surround Realism

- HD Audio decoding with CINEMA DSP 3D (17 DSP programs)
- Compressed Music Enhancer with CINEMA DSP
- Virtual Presence Speaker function for CINEMA DSP 3D surround without Front Presence Speakers
- Adaptive DRC (Dynamic Range Control) and Adaptive DSP Level
- SILENT CINEMA and Virtual CINEMA DSP

Versatile Zone Control

- HDMI out for Zone B
- Zone sleep and system sleep
- Party Mode
- Remote input/output
- Programmable +12V trigger output
- RS-232C interface

Powered by music

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Main Specifications

Audio Section		
Minimum RMS Output Power (8 ohms, 20 Hz-20 kHz, 0.08% THD)	Front Channels	95 W + 95 W
	Center Channel	95 W
	Surround Channels	95 W + 95 W
	Surround Back Channels	95 W + 95 W
Dynamic Power/Channel (Front L/R, 8/6/4/2 ohms)		130/165/195/240 W
Input Sensitivity/Impedance (1 kHz, 100 W/8 ohms) (Multi-Channel In)	AV5	200 mV/47 k-ohms
	F/C/S/SB	200 mV/47 k-ohms
	Subwoofer	200 mV/47 k-ohms
Output Level/Impedance	Rec Out	200 mV/1.2 k-ohms
	Pre Out (F/C/S/SB)	1 V/1.2 k-ohms
	Subwoofer	1 V/1.2 k-ohms
	Zone 2 Out	200 mV/1.2 k-ohms

Frequency Response (AV5, Front L/R)		10 Hz–100 kHz +0, -3 dB
Total Harmonic Distortion (AV5, Pure Direct, Front Sp Out)		0.06% (20 Hz-20 kHz, 50 W/8 ohms)
Signal-to-Noise Ratio (AV5, Pure Direct, Input Shorted, Sp Out)		100 dB (250 mV)
Video Section		
Video Monitor Out Frequency Response Component Video Signal		5 Hz-60 MHz -3 dB
Tuner Section		
FM 50dB Quieting Sensitivity	Mono	3 µV (20.8 dBf)
FM Signal-to-Noise Ratio	Mono / Mono	74 dB / 70 dB
General		
Standby Power Consumption (HDMI Off/Standby Through Off)		0.2 W
Standby Power Consumption (HDMI On/Standby Through On)		2.7 W
Dimensions (W x H x D)		17 1/8" x 6 3/4" x 14 1/2"
Weight		24.7 lbs.

YDS-12 Universal Dock for iPod/iPhone

The optional YDS-12 Universal Dock lets you connect your iPod or iPhone to the receiver.

iPhone not included

Made for iPod iPhone

YID-W10 Wireless Dock System for iPod/iPhone

The optional YID-W10 ensures that you enjoy maximum sound quality and no lip sync (AV matching) problems.

Made for iPod iPhone

iPhone not included

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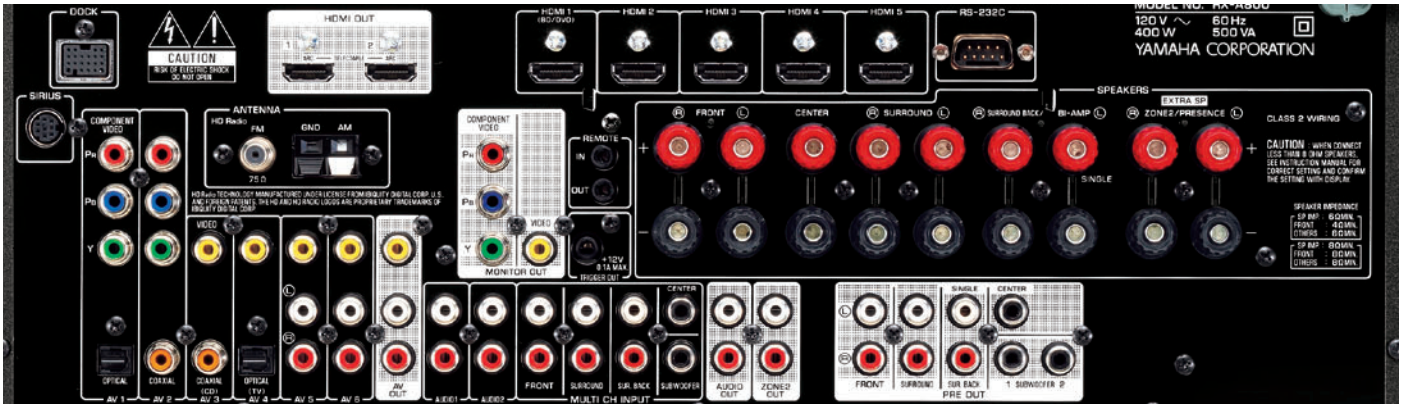
Yamaha Bluetooth® Wireless Audio Receiver

The optional YBA-10 supports A2DP audio streaming, enjoying music wirelessly from Bluetooth-enabled mobile phones, Windows PCs and Macs.

Bluetooth



Extensive Connections

Inputs	
HDMI (Audio Input Assignable)*	6
SIRIUS	1
Radio Antenna (FM/AM) incl. HD Radio	1 / 1
Dock Terminal for Optional Dock Accessories	1
Optical Digital	2
Coaxial Digital	2
Analog Audio*	5
Component Video (Audio Input Assignable)	2
Composite Video	5
Multi-Channel External Decoder	8ch

* Including front panel terminals.

Outputs	
HDMI	2 (simultaneous)
Analog Audio	2
Pre Out	7ch
Component Video Monitor	1
Composite Monitor	1
Composite AV	1
Speaker (without subwoofer)*1 /*2 / *3	7ch / 9 ter
Subwoofer	2 x mono

*1 Assignable for surround back L/R to bi-amp (front L/R).
*2 Extra speaker terminals are assignable to Zone 2 or Presence.
*3 Banana-plug compatible.

Others	
Zone 2 Audio Out	1
Remote In/Out	1 / 1
+12V/0.1A Trigger Out	1
RS-232C Interface	1

• "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards. • "Works with iPhone" means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards. • Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. • The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. • HD Radio™ technology manufactured under license from iBiquity Digital Corporation. • SIRIUS, XM and all related marks and logos are trademarks of Sirius XM Radio Inc. and its subsidiaries. All rights reserved. Service not available in Alaska and Hawaii. • Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. • DTS is a registered trademark and the DTS logos, Symbol, DTS-HD and DTS-HD Master Audio are trademark of DTS, Inc. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. • Burr-Brown products are trademarks of Texas Instruments, Inc. • "x.v.Color" is a trademark. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of Yamaha Corporation. • Product designs and specifications are subject to change without notice.